# Olivia Hall, E.I.

### 3390 W Walsh Pl

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### Curvy

## Qualifications

* Like hands-on work within a team environment.
* Good at resolving problems and thinking logically, analytically, and creatively.
* Proficient with computing programs such as SolidWorks, MATLAB, AutoCAD, Mathcad, RAM Steel, and ProSteel , EPA Net, Microsoft Word and Excel, EnerCalc, RetainPro.
* Comfortable with writing, concisely and professionally.

## Education

**2008-2013**  University of Colorado at Denver School of Engineering and Applied Sciences

Major: Engineering-Civil Engineering GPA 3.30

**2016**  Red Rocks Community College

Civil 3D drafting course

## Experience

**8/19-12/19 Lead Drafting Engineer, Elite Environmental Controls**

* Responsible for drafting environmental control plans for the cannabis industry. My responsibilities included:
  + Drafting CO2 lines from the tank, to the safety valve, to the flow box, which distributed CO2 to the various, grow rooms.
  + Drafting wiring plans including sensor & alarm schematics and wiring from CO2 , temperature and humidity sensors to the environmental control panel to the CO2 alarms.
  + Drafting safety valve schematics, control panel schematics & flow box schematics.
  + Thoroughly researching the CO2 enrichment building codes in Colorado, California, Michigan, Massachusetts & Maryland.

**10/17-12/18 Lead Drafting Engineer, Universal Grow Controls**

* Responsible for drafting carbon dioxide enrichment and irrigation plans for the cannabis industry. My responsibilities included:
  + Drafting CO2 lines from the tank, to the safety valve, to the flow box, which distributed CO2 to the various, grow rooms.
  + Drafting wiring plans including sensor & alarm schematics and wiring from the CO2 sensors to the control panel to the CO2 alarms.
  + Drafting safety valve schematics, control panel schematics & flow box schematics.
  + Thoroughly researching the CO2 enrichment building codes in Colorado, California, Michigan, Massachusetts & Maryland.
  + Drafting piping and instrumentation diagrams for irrigation systems including various methods of dosing water with nutrients.

**05/14-06/15 Engineering Consultant, Alliance Engineering LTD**

* Responsible for consulting and design of several civil engineering disciplines including
  + Foundation design for residential buildings
  + Parcel layout for subdivisions
  + Beam design for residential and commercial buildings
  + Flood plain development permits, including flood plain cross sections
  + Water and waste-water system layouts
  + Retaining wall and flood wall design
  + UDFCD Drainage Studies and Detention Basin Sizing

**10/13-05/14 E.I., Tower Engineering Professionals, Inspections team**

* Responsible for inspecting towers and drafting reports for clients
  + Performing inspections involves climbing towers, taking measurements, notes and photos of essential elements for later review
* Responsible for drafting reports, based on notes and photos taken during inspections, for clients on AutoCAD pertaining to cellular towers foundations, structures, mounts and antennas

**4/12-8/12 Intern, CH2M Hill, Energy & Chemicals Structural team**

* Performed several tasks for engineers, calculation and administrative work for mining and refinery projects
* Became proficient at several engineering design programs (noted above)
* Gained experience in the process and management of taking a project from bid, to design, to manufacturing/construction

**Certifications and Honors**

**08/13 Outstanding Undergraduate Student in Civil Engineering (Faculty Nominated)   
12/12 Fundamentals of Engineering certification exam  
11/11 ACI Concrete Field Testing Technician- Grade 1**

**Interests**

* Sustainability, green space, efficient homes and buildings
* Making a difference in how the world views modern civilization

**References**

**Available upon request**